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1 Routine/Function Prologues

1.0.1 noah_output.F90 (Source File: noah_output.F90)

This subroutines sets up methods to write noah output

INTERFACE:

```
subroutine noah_output
```

USES:

```
use lisdrv_module, only : lis, tile
use noah_varder, only : noahdrv
use spmdMod, only : masterproc,npes
```

CONTENTS:

```
if ( lis%o%wsingle == 1 ) then
    if ( lis%o%wfor == 0 ) then
        num_vars = 24
    else
        num_vars = 32
    endif
!-----
! Writes each output variable to a separate file
!-----
if ( mod(lis%t%gmt,noahdrv%writeintn) == 0 ) then
    if ( lis%d%domain == 8 ) then ! special 1km regional domain
        call system('/data1/pool/control/traffic-wait.pl')
    endif
    do i=1,num_vars
        call noah_singlegather(i,var)
        if ( masterproc ) then
            call noah_singleout(lis, tile, var, i)
        endif
    enddo
    if ( lis%d%domain == 8 ) then ! special 1km regional domain
        call system('/data1/pool/control/traffic-go.pl')
    endif
    call noah_totinit()
endif
else
!-----
! Writes bundled output
!-----
if ( mod(lis%t%gmt,noahdrv%writeintn) == 0 ) then
    if ( npes > 1 ) then
        call noah_gather()
    endif
    if ( masterproc ) then
```

```
    call noah_almaout()
  endif
  call noah_totinit()
endif
endif
```